S6790-5.7-U

The Preparation and Occupational Pursuits of Teachers, 1984-85

Pennsylvania Department of Education 1986

The Preparation and Occupational Pursuits of Teachers, 1984-85

Commonwealth of Pennsylvania
Dick Thornburgh, Governor

Department of Education
Margaret A. Smith, Secretary

Bureau of Information Systems
Bruce J. Cowling, Acting Director

Division of Data Services
Roger G. Hummel, Chief
Compiled by: Jeanne S. Hobaugh, Statistician

June 1986

Pennsylvania Department of Education
333 Market Street
Harrisburg, PA 17126-0333

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HIGHLIGHTS

The 1984-85 data on the preparation of teachers indicates:

* a decrease of 0.4 percent in the number of new teachers prepared with initial certification when compared to the number certified last year.

* there was a total of 5,961 new teachers prepared consisting of 2,384 elementary, 1,372 secondary, 1,290 combined, and 915 special education teachers.

* that secondary education showed an increase of 8.0 percent and elementary increased 5.3 percent in the number of new teachers. The number of special education teachers dropped 16.4 percent and combined dropped 5.1 percent from last year.

* that of the five largest disciplines--general elementary, mentally/physically handicapped, early childhood, health and physical education, and mathematics--only health and physical education and mentally/physically handicapped showed decreases in the number of teachers prepared.

* there was a 61 percent decrease in the number of new teachers prepared compared to the 15,267 prepared ten years ago.

The November 1, 1985 data on occupational pursuits indicates:

* that 42.4 percent of all new teachers were reported as "teaching," 21.6 percent were reported as "not teaching," and 36.0 percent were reported as "no information" on their occupational pursuits.

* that 30.0 percent of the teachers prepared in 1984-85 were teaching in Pennsylvania.

* that of the five largest disciplines, general elementary placed 41.6 percent, mentally/physically handicapped placed 57.0 percent, early childhood placed 45.5 percent, health and physical education placed 25.7 percent, and mathematics placed 51.6 percent in teaching positions.

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INTRODUCTION

"The Preparation and Occupational Pursuits of Teachers, 1984-85" is one in a series of publications containing statistical summaries related to basic education, higher education, and vocational education in Pennsylvania. The data contained in this publication reflects current year figures as well as trends on a variety of selected topics. In many instances, more detailed data is available.

Requests for more detailed data and questions or comments about the data should be addressed to the Pennsylvania Department of Education, Division of Data Services, 333 Market Street, Harrisburg, PA 17126-0333 (phone 717-787-2644).

Sources: Persons Completing Preparation for an Instructional I Certificate in Pennsylvania, 1984-85 (PDE-4041)
Occupations of Persons Completing Preparation for an Instructional I Certificate in Pennsylvania, 1984-85 (PDE-4042)

TABLE 1

TEACHERS PREPARED IN PENNSYLVANIA,
1975-76 THROUGH 1984-85

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
1975-76	13 152	4 856	3 253	3 300	1 743
1976-77	11 769	4 019	2 617	3 200	1 933
1977-78	11 443	3 991	2 701	3 016	1 735
1978-79	9 505	3 380	1 904	2 705	1 516
1979-80	8 444	2 996	1 602	2 379	1 467
1980-81	7 396	2 570	1 476	1 977	1 373
1981-82	7 172	2 446	1 385	1 761	1 580
1982-83	6 414	2 322	1 189	1 569	1 334
1983-84	5 987	2 263	1 270	1 360	1 094
1984-85	5 961	2 384	1 372	1 290	915

The 5,961 teachers prepared with initial certification was the fewest number prepared in 28 years. The supply of new teachers reached a peak of 20,295 in 1971-72 and has declined nearly 71 percent since then.

The new teachers consisted of 2,384 elementary, 1,372 secondary, 1,290 combined, and 915 special education teachers. This data, when compared to 1983-84, showed there were 5.3 percent more elementary and 8.0 percent more secondary, but 5.1 percent fewer combined and 16.4 percent fewer special education teachers prepared.

FIGURE 1

TEACHERS PREPARED IN PENNSYLVANIA.
1975-76 THROUGH 1984-85

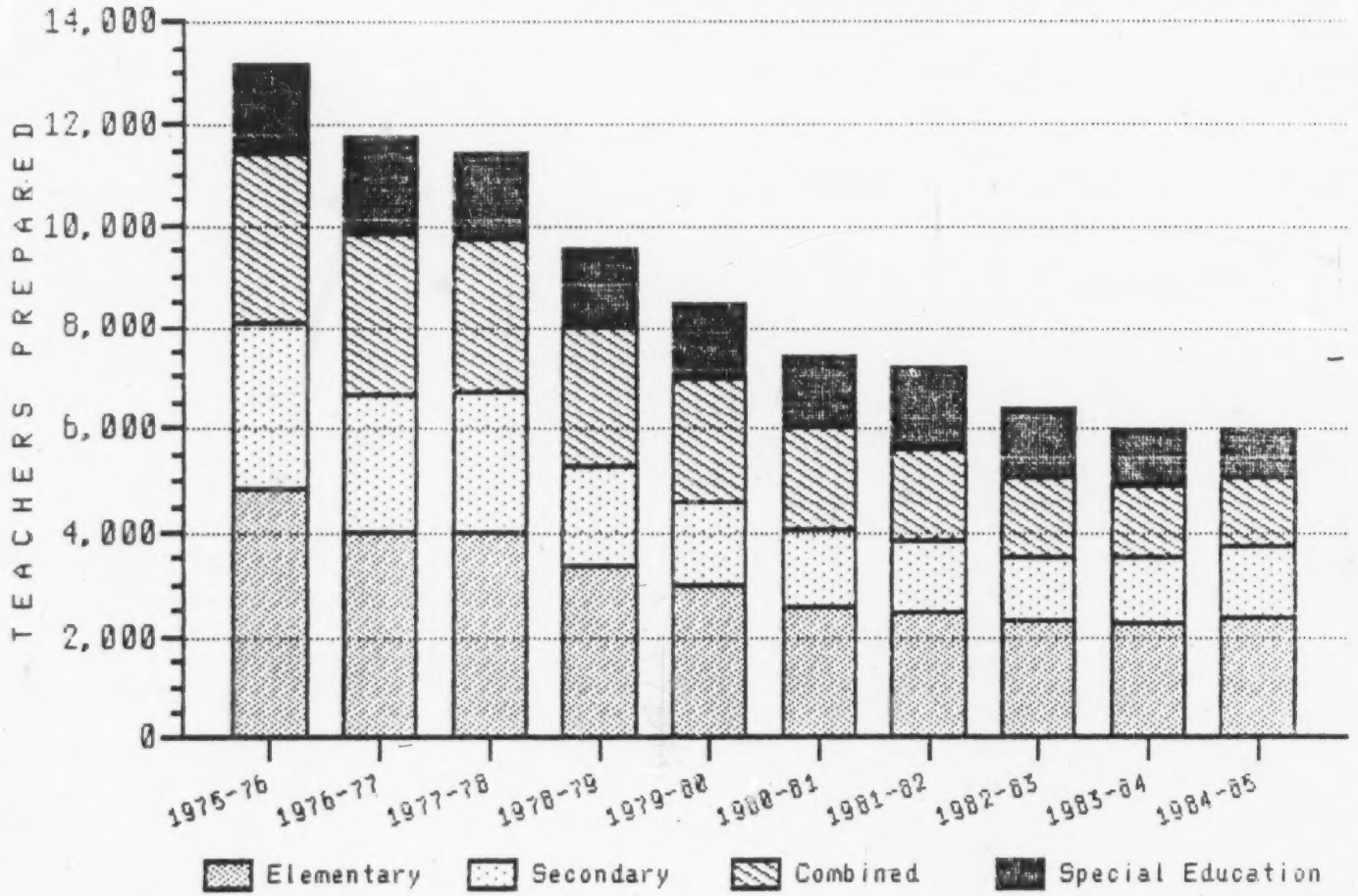

TABLE 2

A COMPARISON OF TEACHERS PREPARED TO THE NUMBER REPORTED FINDING TEACHING POSITIONS, 1975-76 THROUGH 1984-85

	Total Prepared	Total Teaching
1975-76	13 152	4 790
1976-77	11 769	4 537
1977-78	11 443	4 483
1978-79	9 505	4 021
1979-80	8 444	3 598
1980-81	7 396	3 003
1981-82	7 172	2 606
1982-83	6 414	2 447
1983-84	5 987	2 395
1984-85	5 961	2 530

Of the 5,961 teachers prepared in 1984-85, 42.4 percent were teaching as of November 1, 1985. Of those teaching, 70.7 percent found teaching positions in Pennsylvania.

Placement by type of preparation showed that special education placed the largest percentage of new teachers with 50.5 percent. Secondary placed 43.1 percent, elementary placed 42.4 percent, while combined showed a 36.0 percent placement rate.

Within the four categories of teacher preparation, 9.6 percent of the elementary were still seeking teaching positions; secondary, 7.0 percent; combined, 6.9; and special education, 4.3.

FIGURE 2

A COMPARISON OF TEACHERS PREPARED
TO THE NUMBER REPORTED FINDING TEACHING POSITIONS
FOR SELECTED YEARS

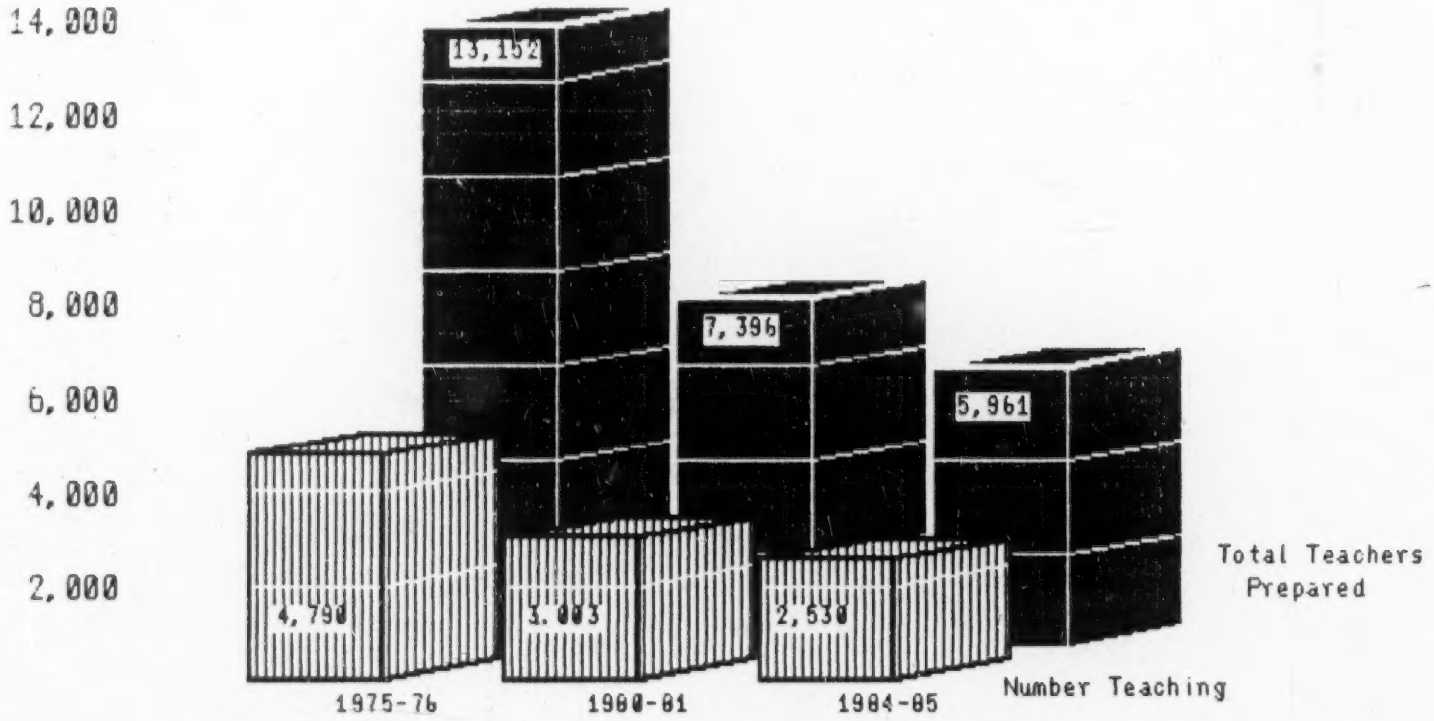

TABLE 3

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY INSTITUTIONAL CATEGORY, 1975-76 THROUGH 1984-85

	Total	State Universities	State-Related Commonwealth Universities	Private State-Aided Institutions	Private Colleges and Universities
1975-76	13 152	7 005	2 247	169	3 731
1976-77	11 769	6 344	2 263	132	3 030
1977-78	11 443	5 825	2 587	144	2 887
1978-79	9 505	5 151	1 965	101	2 288
1979-80	8 444	4 716	1 682	78	1 968
1980-81	7 396	4 173	1 393	57	1 773
1981-82	7 172	3 659	1 542	60	1 911
1982-83	6 414	3 419	1 224	51	1 720
1983-84	5 987	3 255	1 013	56	1 663
1984-85	5 961	3 178	1 030	65	1 688

In 1984-85, 0.4 percent fewer teachers were prepared than in the previous year. This percentage was the smallest one-year rate of decline since the peak year of 1971-72.

Although the state universities prepared 2.4 percent fewer teachers in 1984-85 than in 1983-84, their 3,178 graduates still accounted for over 50.0 percent of all the teachers prepared. Each of the other three categories showed slight increases over the number prepared in 1983-84. Overall these institutions prepared 2,783 teachers, an increase of 1.9 percent over last year.

FIGURE 3

TEACHERS PREPARED WITH INITIAL CERTIFICATION
BY INSTITUTIONAL CATEGORY, 1975-76 THROUGH 1984-85

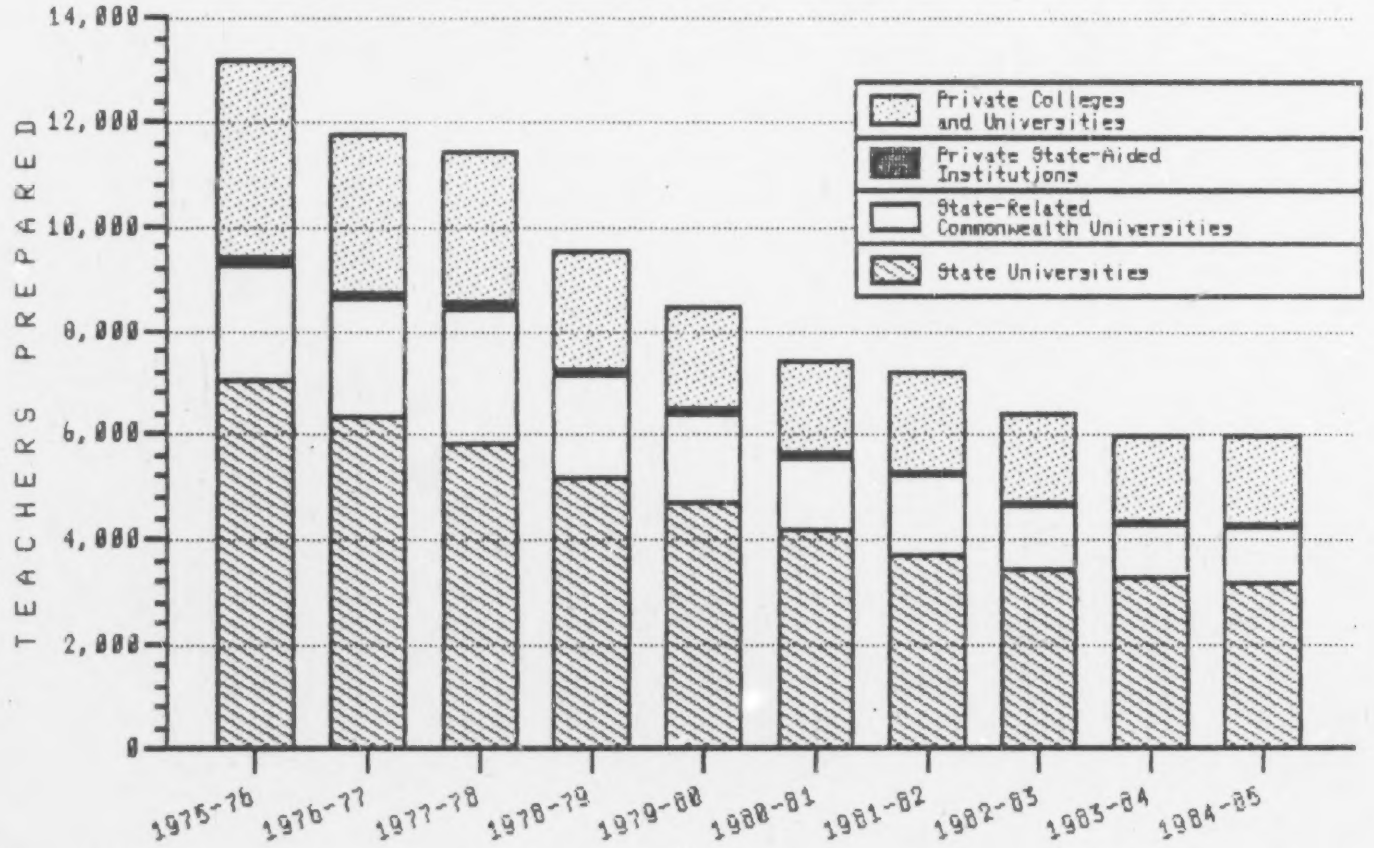

TABLE 4

ELEMENTARY, SECONDARY, COMBINED, AND SPECIAL EDUCATION TEACHERS PREPARED WITH INITIAL CERTIFICATION BY FIELD OF PREPARATION, 1975-76 THROUGH 1984-85

	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
TOTAL	13 152	11 769	11 443	9 505	8 444	7 396	7 172	6 414	5 987	5 961
ELEMENTARY	4 856	4 019	3 991	3 380	2 996	2 570	2 446	2 322	2 263	2 384
Elementary, General	4 856	4 019	3 505	2 896	2 371	2 020	1 927	1 823	1 838	1 852
Early Childhood	-	-	486	484	625	550	519	499	425	532
SECONDARY	3 253	2 617	2 701	1 904	1 602	1 476	1 385	1 189	1 270	1 372
Business Education	264	238	249	281	189	208	168	167	131	148
Communications	-	-	158	125	105	104	81	86	58	61
English	760	527	488	317	264	242	209	194	223	212
Mathematics	492	348	334	198	178	158	162	146	211	287
Physics and Mathematics	-	-	11	7	7	10	20	2	7	3
Sciences, Total	(504)	(440)	(410)	(286)	(235)	(248)	(211)	(179)	(255)	(302)
Biology	265	254	242	160	127	146	115	111	133	168
Chemistry	66	51	58	33	26	25	34	22	45	49
Earth and Space	80	64	53	29	30	34	32	17	34	28
General	55	50	44	50	40	30	27	26	31	38
Physics	38	21	13	14	12	13	3	3	12	19
Social Studies	1 043	833	695	569	489	369	370	283	284	262
Vocational Education	79	114	197	111	133	137	164	132	100	93
Other Secondary	111	117	159	10	2	-	-	-	1	4
COMBINED	3 300	3 200	3 016	2 705	2 379	1 977	1 761	1 569	1 360	1 290
Agriculture	24	28	44	22	45	35	45	27	17	17
Art	505	431	453	339	291	237	211	188	165	147
Foreign Languages, Total	(447)	(359)	(309)	(232)	(184)	(150)	(143)	(101)	(112)	(103)
French	169	112	104	69	49	44	44	34	32	34
German	85	62	42	37	26	21	20	11	8	11
Italian	-	-	11	6	5	6	4	2	2	-
Latin	17	12	7	3	7	5	7	4	3	8
Russian	5	7	7	2	3	-	-	1	2	-
Spanish	166	157	133	111	92	71	65	49	64	49
Other	5	9	5	4	2	3	3	-	1	1
Health	-	-	37	38	37	33	15	23	13	20
Health and Physical Education	1 130	1 177	898	894	841	697	620	597	473	412
Home Economics	309	330	245	192	149	103	95	62	39	40
Industrial Arts	250	240	241	264	236	162	135	161	147	145
Library Science	-	-	148	117	84	91	74	62	56	42
Music	635	635	641	607	512	469	423	348	335	259
Reading Specialist	-	-	-	-	-	-	-	-	3	105

TABLE 4

ELEMENTARY, SECONDARY, COMBINED, AND SPECIAL EDUCATION TEACHERS PREPARED WITH INITIAL CERTIFICATION BY FIELD OF PREPARATION, 1975-76 THROUGH 1984-85--Concluded

	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
SPECIAL EDUCATION 1/	1 743	1 933	1 735	1 516	1 467	1 373	1 580	1 334	1 094	915
Hearing Impaired	-	-	46	26	34	39	43	33	97	27
Mentally/Physically Handicapped	-	-	1 296	1 106	1 095	1 030	1 205	1 011	830	697
Speech Correction	-	-	346	351	303	269	297	259	148	173
Visually Impaired	-	-	47	33	35	35	35	31	19	18

1/ Detail not available before 1977-78.

TABLE 5

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION
BY INSTITUTION, 1984-85

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
TOTAL, ALL INSTITUTIONS (82)	5 961	2 384	1 372	1 290	915
STATE UNIVERSITIES (14)	3 178	1 199	496	839	644
Bloomsburg University	264	115	65	2	82
California University	153	71	15	44	23
Cheyney University	44	14	1	12	17
Clarion University	163	83	33	18	29
East Stroudsburg University	203	80	23	58	42
Edinboro University	287	119	54	62	52
Indiana University	284	94	47	84	59
Kutztown University	251	89	30	52	80
Lock Haven University	212	70	23	78	41
Mansfield University	106	31	19	34	22
Millersville University	454	159	77	155	63
Shippensburg University	126	79	40	7	-
Slippery Rock University	259	75	28	81	75
West Chester University	372	120	41	152	59
STATE-RELATED COMMONWEALTH UNIVERSITIES (4)	1 030	422	324	157	127
Lincoln University	16	8	5	3	-
The Pennsylvania State University -- Total	355	150	78	62	65
Main Campus	316	125	64	62	65
Capitol Campus	39	25	14	-	-
Temple University	415	133	151	79	52
University of Pittsburgh -- Total	244	131	90	13	10
Main Campus	196	92	81	13	10
Johnstown Campus	48	39	9	-	-
PRIVATE STATE-AIDED INSTITUTIONS (4)	65	21	16	25	3
Drexel University	14	6	-	8	-
Philadelphia College of Art	8	-	-	8	-
Philadelphia College of the Performing Arts	7	-	-	7	-
University of Pennsylvania	36	15	16	2	3
PRIVATE COLLEGES AND UNIVERSITIES (60)	1 688	742	536	269	141
Albright College	10	-	10	-	-
Allegheny College	8	5	3	-	-
Allentown College of St. Francis de Sales	7	-	5	2	-
Alvernia College	18	12	6	-	-
Antioch University	27	19	-	-	8
Beaver College	64	22	21	8	13
Bucknell University	30	10	16	4	-
Cabrini College	61	31	13	-	17
Carlow College	22	11	8	2	1
Carnegie-Mellon University	1	-	-	1	-
Cedar Crest College	16	9	5	2	-
Chatham College	15	12	2	1	-
Chestnut Hill College	49	40	4	5	-
College Misericordia	34	20	4	5	5
Dickinson College	14	-	13	1	-
Duquesne University	120	28	27	53	12
Eastern College	23	14	5	4	-
Elizabethtown College	35	27	7	1	-
Gannon University	19	3	9	5	2
Geneva College	50	29	21	-	-
Gettysburg College	26	12	5	9	-
Grove City College	57	22	19	16	-
Gwynedd-Mercy College	61	41	12	-	8
Holy Family College	33	26	5	2	-
Immaculata College	29	16	5	8	-

TABLE 5

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION
BY INSTITUTION, 1984-85--Concluded

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
PRIVATE COLLEGES AND UNIVERSITIES--Concluded					
Juniata College	21	12	6	3	-
Kings College	14	7	6	1	-
Lafayette College	7	1	6	-	-
LaSalle College	38	-	8	2	28
Lebanon Valley College	32	8	7	17	-
Lehigh University	29	8	8	8	5
Lycoming College	20	14	6	-	-
Marywood college	89	47	4	11	27
Mercyhurst College	40	18	5	2	15
Messiah College	57	21	17	19	-
Moore College of Art	3	-	-	3	-
Moravian--Total	33	20	11	2	-
Moravian College	33	20	11	2	-
Muhlenberg College	13	3	10	-	-
Neumann College	10	10	-	-	-
Point Park College	7	6	1	-	-
Robert Morris College	9	-	9	-	-
Rosemont College	7	6	-	1	-
Saint Francis College	17	10	7	-	-
Saint Joseph's University	27	14	13	-	-
Saint Vincent--Total	15	-	15	-	-
Saint Vincent College	15	-	15	-	-
Seton Hill College	18	8	2	8	-
Susquehanna University	34	3	16	15	-
Swarthmore College	12	-	12	-	-
Thiel College	7	3	4	-	-
University of Scranton	34	-	33	1	-
Ursinus College	26	-	21	5	-
Villa Maria College	16	15	1	-	-
Villanova University	11	-	11	-	-
Washington and Jefferson College	7	-	4	3	-
Waynesburg College	18	9	9	-	-
Westminster College	75	33	16	26	-
Widener University	46	23	21	2	-
Wilkes College	32	13	8	11	-
Wilson College	1	1	-	-	-
York College of Pennsylvania	34	20	14	-	-

TABLE 6

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION AND OCCUPATIONAL PURSUIT, 1975-76 THROUGH 1984-85

	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
TOTAL	13 152	11 769	11 443	9 505	8 444	7 396	7 172	6 414	5 987	5 961
Teaching	4 790	4 537	4 483	4 021	3 598	3 003	2 606	2 447	2 395	2 530
In-State	3 743	3 352	3 319	2 951	2 595	2 160	1 904	1 744	1 670	1 788
Out-of-State	1 047	1 185	1 164	1 070	1 003	843	702	703	725	742
Not Teaching	5 509	4 412	3 254	2 658	2 255	2 073	1 929	1 774	1 583	1 286
Otherwise Gainfully Employed	1 777	1 641	1 365	1 079	898	870	637	691	559	468
Continuing Formal Study	686	638	497	476	484	395	441	390	305	283
Seeking Teaching Position	2 757	1 881	1 167	892	704	614	674	585	590	453
Seeking Non-Teaching Position	99	79	80	67	59	39	31	24	30	20
Other	190	173	145	144	110	155	146	84	99	62
No Information	2 853	2 820	3 706	2 826	2 591	2 320	2 637	2 193	2 009	2 145
ELEMENTARY	4 856	4 019	3 991	3 380	2 996	2 570	2 446	2 322	2 263	2 384
Teaching	1 669	1 536	1 638	1 490	1 409	1 074	977	1 015	950	1 012
In-State	1 341	1 159	1 226	1 124	1 043	788	759	750	686	737
Out-of-State	328	377	412	366	366	286	218	265	264	275
Not Teaching	2 133	1 561	1 169	968	805	737	721	646	594	500
Otherwise Gainfully Employed	591	509	431	355	291	246	200	236	227	168
Continuing Formal Study	206	166	153	107	131	112	109	92	72	75
Seeking Teaching Position	1 221	785	506	421	323	295	344	275	241	229
Seeking Non-Teaching Position	32	25	25	25	20	12	14	9	9	9
Other	83	76	54	60	40	72	54	34	45	19
No Information	1 054	922	1 184	922	782	759	748	661	719	872
SECONDARY	6 553	5 817	2 701	1 904	1 602	1 476	1 385	1 189	1 270	1 372
Teaching	2 289	2 031	1 018	806	614	533	473	433	501	591
In-State	1 771	1 533	794	625	476	440	378	332	373	441
Out-of-State	518	498	224	181	138	93	95	101	128	150
Not Teaching	2 864	2 397	724	541	463	403	350	298	311	295
Otherwise Gainfully Employed	1 025	989	345	243	189	209	140	125	108	130
Continuing Formal Study	397	384	124	103	97	69	78	65	58	48
Seeking Teaching Position	1 287	897	198	144	133	88	107	84	120	96
Seeking Non-Teaching Position	62	50	24	18	12	11	6	3	11	4
Other	93	77	33	33	32	26	19	21	14	17
No Information	1 400	1 389	959	557	525	540	562	458	458	486
COMBINED 1/	-	-	3 016	2 705	2 379	1 977	1 761	1 569	1 360	1 290
Teaching	-	-	1 047	900	812	662	533	451	439	465
In-State	-	-	761	645	581	464	365	314	287	297
Out-of-State	-	-	286	255	231	198	168	137	152	168
Not Teaching	-	-	1 054	851	716	642	517	493	438	304
Otherwise Gainfully Employed	-	-	474	397	322	310	208	224	165	126
Continuing Formal Study	-	-	148	155	159	123	112	98	79	68
Seeking Teaching Position	-	-	369	240	186	167	138	150	155	89
Seeking Non-Teaching Position	-	-	24	23	25	13	10	7	9	6
Other	-	-	39	36	24	29	49	14	30	15
No Information	-	-	915	954	851	673	711	625	483	521
SPECIAL EDUCATION	1 743	1 933	1 735	1 516	1 467	1 373	1 580	1 334	1 094	915
Teaching	832	970	780	825	763	734	623	548	505	462
In-State	631	660	538	557	495	468	402	348	324	313
Out-of-State	201	310	242	268	268	266	221	200	181	149
Not Teaching	512	454	307	298	271	291	341	337	240	187
Otherwise Gainfully Employed	161	143	115	84	96	105	89	106	59	44
Continuing Formal Study	83	88	72	111	97	91	142	135	96	92
Seeking Teaching Position	249	199	94	87	62	64	85	76	74	39
Seeking Non-Teaching Position	5	4	7	1	2	3	1	5	1	1
Other	14	20	19	15	14	28	24	15	10	11
No Information	399	509	648	393	433	348	616	449	349	266

1/ Detail not available before 1977-78. Combined teachers were included with secondary teachers prior to 1977-78.

TABLE 7

OCCUPATIONS, ON NOVEMBER 1, 1985, OF TEACHERS INITIALLY PREPARED BY FIELD OF PREPARATION, 1984-85

	TEACHING			NOT TEACHING						
	All	In-State	Out-of-State	All	Otherwise Gainfully Employed	Continuing Formal Study	Seeking Teaching Position	Seeking Non-Teaching Position	Other	No Information
TOTAL	2 530	1 788	742	1 286	468	283	453	20	62	2 145
ELEMENTARY--Total	1 012	737	275	500	168	75	229	9	19	872
Elementary, General	770	546	224	399	140	59	176	9	15	683
Early Childhood	242	191	51	101	28	16	53	-	4	189
SECONDARY--Total	591	441	150	295	130	48	96	4	17	486
Accounting	17	12	5	12	8	1	2	-	1	15
Biology	70	48	22	35	12	6	15	-	2	63
Chemistry	20	18	2	8	3	2	3	-	-	21
Communications	21	15	6	12	4	4	3	1	-	28
Data Processing	4	2	2	1	1	-	-	-	-	6
Distributive Education	-	-	-	6	2	-	2	2	-	23
Earth and Space Science	13	9	4	8	4	1	2	-	1	7
English	95	69	26	50	12	13	21	-	4	67
General Science	21	15	6	4	1	-	3	-	-	13
Marketing	3	3	-	5	2	-	2	-	1	3
Mathematics	148	112	36	45	26	4	12	-	3	94
Physics	9	9	-	1	-	-	-	1	-	9
Physics and Mathematics	2	2	-	1	1	-	-	-	-	-
Secretarial	23	15	8	15	9	-	5	-	1	3
Social Studies	97	65	32	84	41	16	23	-	4	81
Typewriting	10	9	1	2	2	-	-	-	-	-
Vocational Education	37	37	-	5	2	-	3	-	-	51
Other Secondary	1	1	-	1	-	1	-	-	-	2
COMBINED--Total	465	297	168	304	126	68	89	6	15	521
Agriculture	4	3	1	-	-	-	-	-	-	13
Art	53	40	13	28	10	2	13	1	2	66
Foreign Languages	47	35	12	17	2	4	9	-	2	39
Health	-	-	-	13	6	4	2	1	-	7
Health and Physical Education	106	49	57	138	67	34	31	1	5	168
Home Economics	17	15	2	10	4	2	3	-	1	13
Industrial Arts	47	26	21	30	17	4	5	3	1	68
Library Science	17	10	7	11	5	4	2	-	-	14
Music	95	64	31	48	15	14	16	-	3	116
Reading Specialist	79	55	24	9	-	-	8	-	1	17
SPECIAL EDUCATION--Total	462	313	149	187	44	92	39	1	11	266
Hearing Impaired	10	6	4	5	1	2	-	-	2	12
Mentally/Physically Handicapped	397	275	122	104	33	34	31	1	5	196
Speech Correction	47	26	21	73	9	53	7	-	4	53
Visually Impaired	8	6	2	5	1	3	1	-	-	5

Note: Graduates in business education are certified by individual subject area (accounting, data processing, distributive education, marketing, secretarial, and typewriting) with most or all people receiving multiple certificates. For this reason, these graduates have, in many cases, been arbitrarily placed in a particular subject area by the reporting institutions.

GLOSSARY

COMBINED--Includes persons prepared for assignment at any grade level (K-12). Does not include those prepared for teaching in special education classes or those prepared for elementary (K-6) or secondary (7-12) certificates.

ELEMENTARY--Includes persons prepared for the regular elementary certificate (K-6) or the early childhood certificate (N-3). Does not include those prepared for teaching in special education classes or those prepared for combined (K-12) certificates.

INSTRUCTIONAL I--The initial teaching certificate awarded to those who are qualified to enter the teaching profession. The certificate expires after the completion of six years of teaching experience.

SECONDARY--Includes persons prepared for assignments in junior and/or senior high school (7-12). Does not include those prepared for teaching in special education classes or those prepared for combined (K-12) certificates.

SPECIAL EDUCATION--Includes persons prepared with the minimum certification requirements (or professional requirements) for entering assignments to teach the mentally deficient, deaf or hard of hearing, visually handicapped, speech handicapped, orthopedically handicapped, gifted and talented, emotionally disturbed, educationally disadvantaged, severely underachieving, and other pupils with characteristics which require special training competencies.

VOCATIONAL EDUCATION--Includes persons who are certified to teach in areas of trade and industrial (occupational) education. Does not include industrial arts teachers (certificate code 6000).